

FEATURES

- Choice of low iridescent diffuse or specular louver finishes. Ideal for use with triphosphor lamps.
- Black reveal provides floating louver appearance, conceals optional air-supply slots.
- Overlapping flange and modular ceiling trims factory installed with standard swing-gate hangers or field convertible with optional trim and hanger kits.
- Optional heat-removal dampers and air-pattern control blades allow airflow control.
- T-hinges die-formed for maximum strength. Latches spring-loaded, concealed in reveal.
- Guaranteed for one year against mechanical defects in manufacture.

SPECIFICATIONS

BALLAST — Thermally protected, resetting, Class P, HPF, non-PCB, UL listed, CSA certified ballast is standard. Energy-saving and electronic ballasts are sound rated A. Standard combinations are CBM approved and conform to UL 935.

WIRING & ELECTRICAL — Fixture conforms to UL 1570 and is suitable for damp locations. AWM, TFN or THHN wire used throughout, rated for required temperatures.

MATERIALS — Housing formed from cold-rolled steel. Louvers formed from anodized aluminum. No asbestos is used in this product.

FINISH — Five-stage iron-phosphate pretreatment ensures superior paint adhesion and rust resistance. Painted parts finished with high-gloss, baked white enamel.

LISTING — UL listed and labeled. Listed and labeled to comply with Canadian and Mexican Standards (see Options).

Specifications subject to change without notice.

Type

Catalog number

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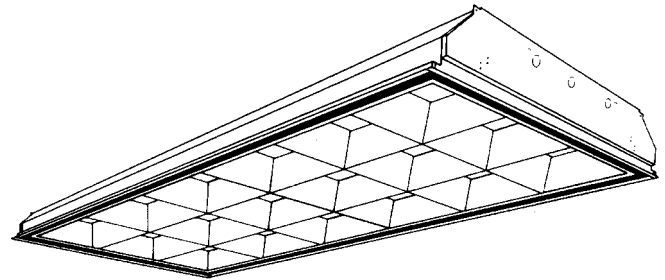
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PARAMAX® Parabolic Troffer

PM4 2'x4'

4" Deep Louver

3 lamps



ENERGY

Luminaire Efficacy Rating (LER) and Annual Energy Cost/1,000 Lumens

3-lamp, LD louver - LER.FP = 57. Annual energy cost = \$4.21.

Based on 32W T8 lamp, 2850 lumens and electronic ballast.

Ballast factor = .88 and input watts = 86.

Calculated in accordance with NEMA standard LE-5.

PHOTOMETRICS

Calculated using the zonal cavity method in accordance with IESNA LM41 procedures. Floor reflectances are 20%. Lamp configurations shown are typical. Full photometric data on these and other configurations available upon request.

2PM4 G B 3 32 18LD

Report LTL 6757 - Lumens per lamp = 2850

S/MH (along) 1.2 (across) 1.5

Coefficient of Utilization

Ceiling	80%			70%			50%			0%		
Wall	70%	50%	30%	70%	50%	30%	50%	30%	10%	0%	0%	0%
0	78	78	78	76	76	76	73	73	73	66		
1	73	71	68	71	69	67	66	65	63	58		
2	68	63	60	66	62	59	60	57	55	51		
3	62	57	52	61	56	51	54	50	47	45		
4	58	51	46	56	50	45	48	44	41	39		
5	53	46	41	52	45	40	44	40	36	34		
6	49	42	36	48	41	36	40	35	32	30		
7	46	38	33	45	37	32	36	32	29	27		
8	43	35	29	42	34	29	33	29	26	24		
9	40	32	27	39	31	27	31	26	23	22		
10	37	29	24	37	29	24	28	24	21	20		

Zonal Lumens Summary

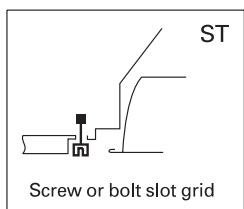
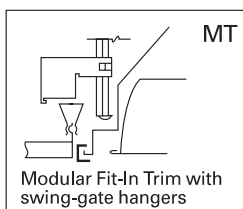
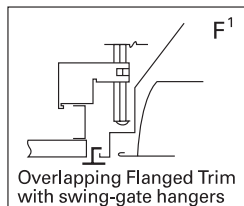
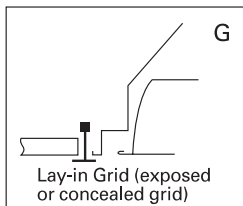
Zone	Lumens	%Lamp	%Fixture
0-30	1911	22.3	34.1
0-40	3247	38.0	57.9
0-60	5313	62.1	94.8
0-90	5604	65.5	100.0
90-180	0	0	0
0-180	5604	65.5	100.0

PM4 2'x4' 4" Louver Family, Paramax, 3 Lamps

MOUNTING DATA

Continuous row mounting of flanged units requires CRE and CRM trim options (see Options).

Ceiling Type	Appropriate Trim Type
Exposed grid tee	G
Concealed grid tee	G, ST
Concealed Z-spline	F, MT
Metal pan (consult factory)	MT
Screw slot (consult factory)	ST
Acoustical tile, plaster, or plasterboard on rigid support parallel to lamps	F

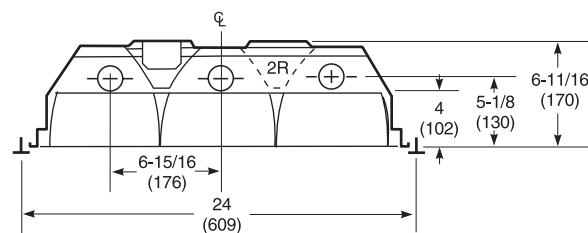


NOTES:

1 Recommended rough-in dimensions for F trim fixtures 24" x 48" (Tolerance is +1/4", -0"). Swing-gate range 1" to 4-13/16", span 23-1/2" to 26-5/16".

DIMENSIONS

Inches (millimeters). Subject to change without notice.



ORDERING INFORMATION

Example: 2PM4 G B 3 32 18LD 120 GEB

2PM4	3				
Series	Air function	Number of lamps	Lamp type	Voltage	Options
2PM4 Paramax 4" deep cell parabolic, 2' wide	A Air supply/return (slots in side trim) H Heat removal (through lamp cavity, dampers available) D Combination A & H B Static (no air function, matching appearance)	3 Not included.	32 32W T8 (48") 40 40W T12 (48")	120, 277, 347, MVOLT ² Others available.	1/3 One three-lamp ballast GEB Electronic ballasts, ≤20% THD GEB10IS Electronic ballast ≤10% THD, Instant Start GEB10RS Electronic ballast ≤10% THD, Rapid Start EL Emergency battery pack (nominal 300 lumens; see Life Safety Section) GLR Internal fast-blow fuse GMF Internal slow-blow fuse LST Tandem fixture pairs (shared ballasts) PWS1836 6' prewire, 3/8" dia., 18-gauge, 3 wires LP__ Lamped, specify lamp type and color HRD Heat-removal dampers APB Air-pattern control blades (A and D models only) ACS Air closure strips (A and D models only) CRE Flanged trim for continuous row mounting (end) CRM Flanged trim for continuous row mounting (middle) PAF Painted after fabrication (white enamel) 2R Two reflector channel covers (3-lamp models only) CSA Listed and labeled to comply with Canadian Standards NOM Listed and labeled to comply with Mexican Standards JP8 Palletized and stretch-wrapped (8 per), G and MT trim only
Trim type			Number of cells ¹	Louver finish	
G Grid F Overlapping flange MT Modular fit-in ST Screw slot			18, 24, 32	LD Low iridescent anodized diffuse silver LS Low iridescent anodized specular silver C Diffuse gold anodized (champagne) G Specular gold anodized	

NOTES:

1 Where applicable, number of rows divisible by the number of lamps unless specified otherwise.

2 MVOLT available with GEB10IS only.

PM4 2x4 3LP

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PM42x43L.p65



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